

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) An image pickup apparatus, comprising:

a solid-state image pickup device having high-sensitivity pixels and low-sensitivity pixels, a photometric characteristic of an output of the high-sensitivity pixels being different from that of the low-sensitivity pixels;

control means for calculating an exposure value based on values of signal detected by said high-sensitivity pixels and values of signal detected by said low-sensitivity pixels, which are output from said solid-state image pickup device in a single instance of photometry, where during each photometry, aperture and electronic shutter speed are not changed; and

signal processing means for reading data of an image picked up by said solid-state image pickup device and processing according to the exposure value.

2. (Currently Amended) An image pickup apparatus, comprising:

image pickup means for picking up a subject image;

received light quantity detecting means having high-sensitivity pixels and low-sensitivity pixels, a photometric characteristic of an output of the high-sensitivity pixels being different from that of the low-sensitivity pixels; and

control means for calculating an exposure value based on signal showing received light quantity detected by said high-sensitivity pixels and signal showing received light quantity detected by said low-sensitivity pixels, which are output from said received light quantity

detecting means device in a single instance of photometry, and controlling said image pickup means to pick up a subject image according to the exposure value, where during each photometry, aperture and electronic shutter speed are not changed.

3. (Currently Amended) A photometer which calculates a exposure value of the image pickup apparatus, comprising:

received light quantity detecting means having high-sensitivity pixels and low-sensitivity pixels, a photometric characteristic of an output of the high-sensitivity pixels being different from that of the low-sensitivity pixels; and

calculating means for calculating the exposure value based on signal showing received light quantity detected by said high-sensitivity pixels and signal showing received light quantity detected by said low-sensitivity pixels, which are output from the received light quantity detecting means device in a single instance of photometry, where during each photometry, aperture and electronic shutter speed are not changed.

Claims 4 – 6 (Canceled)

7. (New) The image pickup apparatus of claim 1, wherein each pixel includes a high-sensitivity pixel and a low-sensitivity pixel.

8. (New) The image pickup apparatus of claim 2, wherein each pixel includes a high-sensitivity pixel and a low-sensitivity pixel.

9. (New) The photometer of claim 3, wherein each pixel includes a high-sensitivity pixel
and a low-sensitivity pixel.